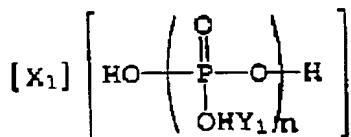


# EUROPEAN PATENT OFFICE

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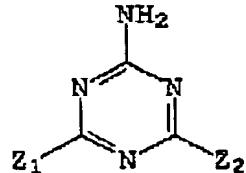
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APPLICANT : CHISSO CORP;

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INT.CL. : C08L 23/00 C08K 13/02 C08K 13/02  
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 5:16 , C08K 5:053 )

TITLE : FLAME-RETARDANT POLYOLEFIN  
 RESIN COMPOSITION



II

**ABSTRACT :** PROBLEM TO BE SOLVED: To obtain a polyolefin resin composition which shows excellent flame retardancy even when it contains only a small amount of a flame retardant by mixing a polyolefin resin with a polyammonium phosphate compound, a novel phosphate, a nitrogenous compound, etc.

**SOLUTION:** This composition is prepared by mixing a polyolefin resin with 1-30wt.% polyammonium phosphayte compound (A) with 0.1-30wt.% (condensed) amine phosphate (B) represented by formula I [wherein n is 1-100; X<sub>1</sub> is R<sub>1</sub>R<sub>2</sub>N(CH<sub>2</sub>)<sub>n</sub>NR<sub>3</sub>R<sub>4</sub>, piperazine, a diamine containing a piperazine ring; R<sub>1</sub> to R<sub>4</sub> are each H or a 1-5C alkyl; m is 1-10; Y<sub>1</sub> is NH<sub>3</sub> or a triazine derivative represented by formula II; Z<sub>1</sub> and Z<sub>2</sub> are each -NR<sub>5</sub>R<sub>6</sub>, hydroxyl, mercapto, a 1-10C alkyl, a 1-10C alkoxy, a phenyl or vinyl; and R<sub>5</sub> and R<sub>6</sub> are each a 1-6C alkyl or methylo], 0.1-30wt.% nitrogenous compound (C) and 0.1-20wt.% polyhydric alcohol (D). The total amount of components A, B, C and/or D should be 10-50wt.% based on the entire composition.

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